

# High School to College and Career Pathway: Post-Secondary

Area of Study: Health & Science Technology

Pathway: Biotechnology

Region: Mountainland	District:	School:	<b>College/Institution: Salt Lake Community College</b> Articulation Agreement in place? Yes <b>Name of Degree or Certificate: AAS in Biotechnology Technician</b> (min. 71 Hours Required)
Contact Person: Lisa Birch		Ph.#: 801.492.2900	
E-mail: <a href="mailto:lisa.birch@mountainlandatc.org">lisa.birch@mountainlandatc.org</a>		Date: 04/2007	

High School				College		
Course Number	High School Suggested Academic Courses	H.S. Credit	College Credits/Hours	Course Number	College General Education Requirements	College Credits/Hours
<b>ENGL</b>	<b>ENGLISH/COMPOSITION</b>		<b>3</b>	<b>ENGL</b>	<b>ENGLISH/COMPOSITION</b>	<b>3</b>
ENGL1010	College Writing * **	1		ENGL 1010	Introduction to Writing	
<b>MATH</b>	<b>MATHEMATICS/QUANTATIVE LITERACY</b>		<b>4</b>	<b>MATH</b>	<b>MATHEMATICS/QUANTATIVE LITERACY</b>	<b>4</b>
MATH1010	Intermediate Algebra **	1		MATH1010	Intermediate Algebra	
<b>COMM</b>	<b>COMMUNICATION</b>			<b>COMM</b>	<b>COMMUNICATION</b>	<b>3</b>
				COMM1010	Elements of Effective Communication	
<b>LE</b>	<b>HUMAN RELATIONS</b>			<b>LE</b>	<b>HUMAN RELATIONS</b>	<b>3</b>
				LE1220	Human Relations f/Car Devt.	
	<b>DISTRIBUTION AREAS</b>				<b>DISTRIBUTION AREAS</b>	<b>3</b>
				→	Choose an additional 3 credit hours from one of the following distribution areas: Fine Arts; Humanities; Interdisciplinary; Social Science	

**Note:** This is a regional agreement. Some classes and some concurrent enrollment agreements may not be available in your particular high school. See your individual school for specific program offering. **Note:** \* = concurrent ^ = distant

# High School to College and Career Pathway: Post-Secondary

Area of Study: Health Science & Technology

Pathway: Biotechnology

High School				College		
Course CIP #	CTE Pathway Courses (credits for completion)	H.S. Credit	College Credits	Course #	College Major Course Requirements	College Credits
	<b><u>Introductory Courses: (preferred)</u></b>					
51.1105	Health Science, Introduction	.50				
	<b><u>Foundation Courses: (required)</u></b>					
51.1099	Biotechnology	1.00				
	<b><u>Elective Courses</u></b>					
51.1315	Medical Anatomy & Physiology	1.00				
51.1315	Medical Terminology	.50				
51.1316	<b>Health Science, Advanced (capstone course)</b>	1.00				
32.0199	Student Internship (Critical Workplace Skills)	.50				
→	1 credit required from foundation courses and 2 credits required from either introductory or elective courses					
				BIOL1210	General Biology w/BIOL1215	4
				BIOL 1215	General Biology Lab w/BIOL1210	0
				BIOL2020	Cell Biology w/BIOL2025	4
				BIOL2025	Cell Biology Lab w/BIOL2020	0
				BIOL2030	Genetics w/BIOL2035	4
				BIOL2035	Genetics Biology Lab w/BIOL2030	0
				BIOL2060	Microbiology w/BIOL2065	4
				BIOL2065	Microbiology Lab w/BIOL2060	0
				CHEM1110	Elementary Chemistry	4
				CHEM1115	Elementary Chemistry Lab	4
				BTEC1020	Fundamentals of Biotech II	3
				BTEC1030	Seminar I	2
				BTEC1060	NuAcidProtBchm	2
				BTEC2010	DNA Manipulation/Anl	4
				BTEC2020	Protein Sep/Anl	4
				BTEC2030	Cell Culture Techniques	3
				BTEC2040	Advanced DNA Lab Tech	4
				BTEC2050	Bioinformatics	2
				BTEC2100	Biotech Externship	7
	<b><u>Additional Articulated Classes</u></b>					
MATC	Biotechnology		3	BTEC1010	Fundamentals of Biotech I ++	3
<b>TOTAL Potential Credits Earned in High School</b>			<b>10</b>	<b>TOTAL Credits Required for Degree or Certificate</b>		<b>74</b>

**Note:** *This is a regional agreement. Some classes and some concurrent enrollment agreements may not be available in your particular high school. See your individual school for specific program offering.* **Note:** \*= **concurrent**    ^= **distant**